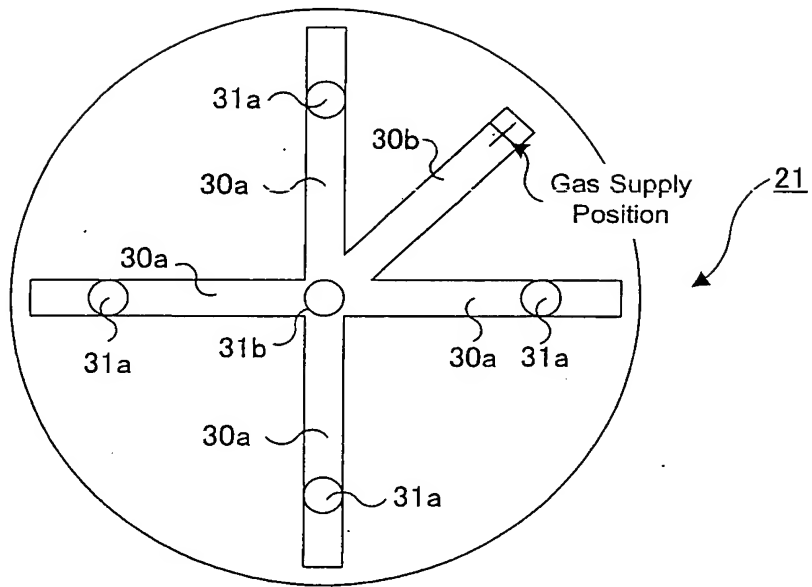
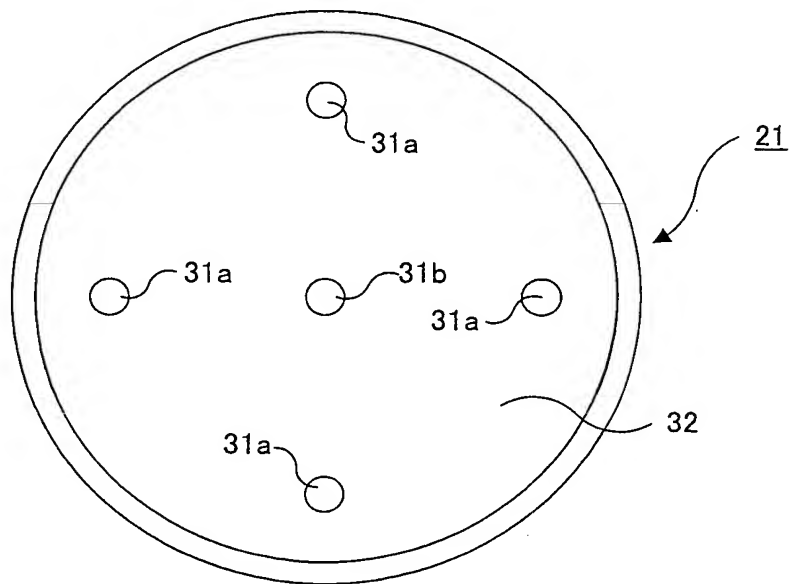


*FIG.2*



**FIG. 3** Diagram As Seen From Arrow A



**FIG. 4** Diagram As Seen From Arrow B

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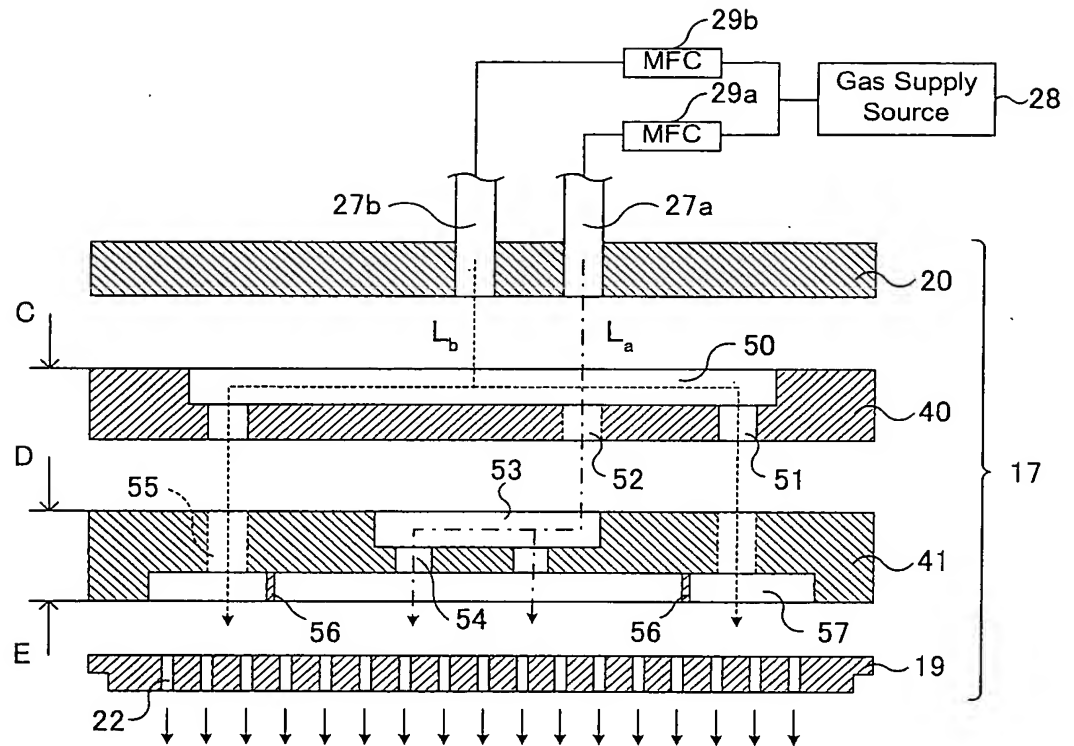


FIG.5

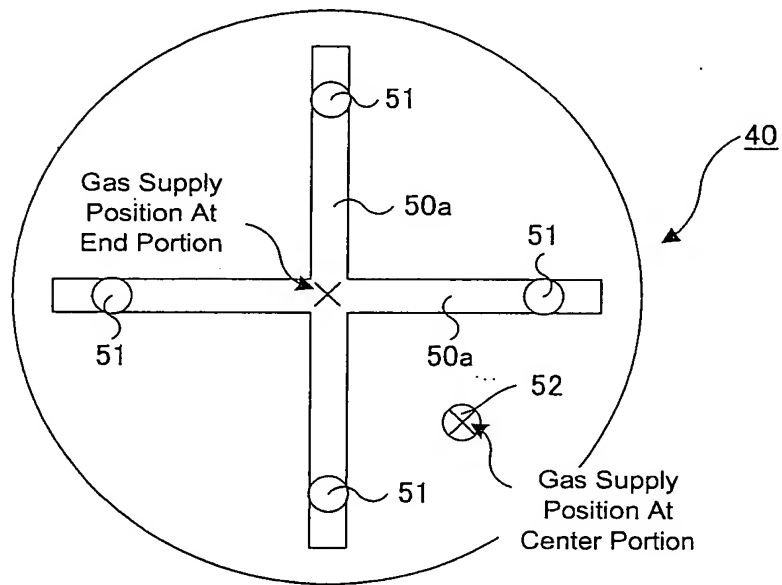
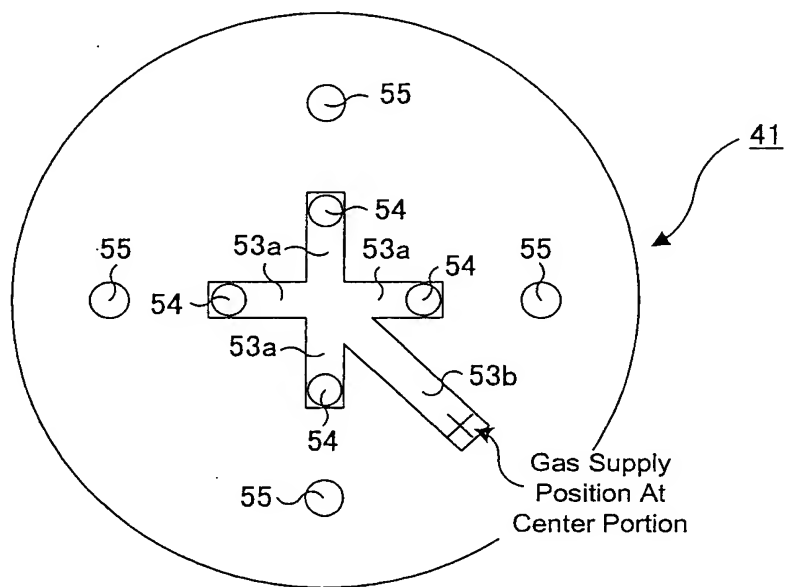
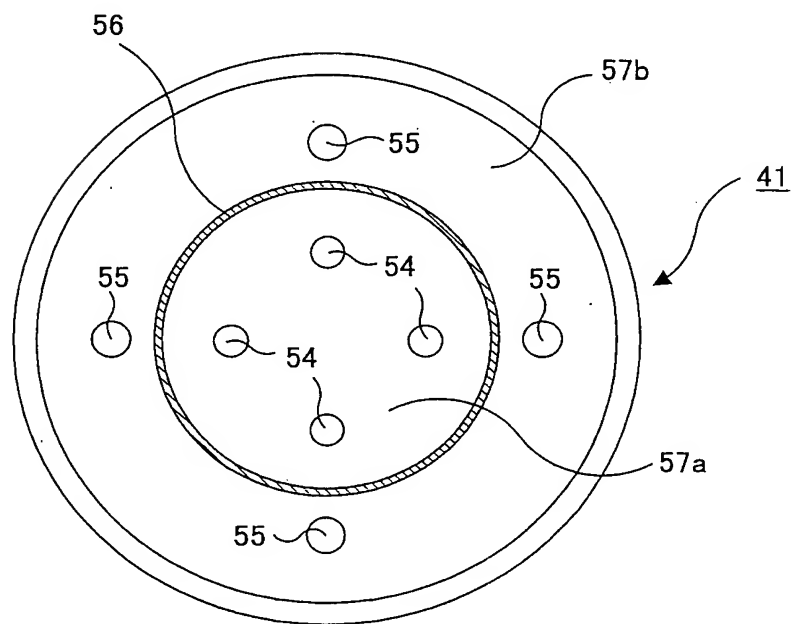


FIG.6

Diagram As Seen From Arrow C

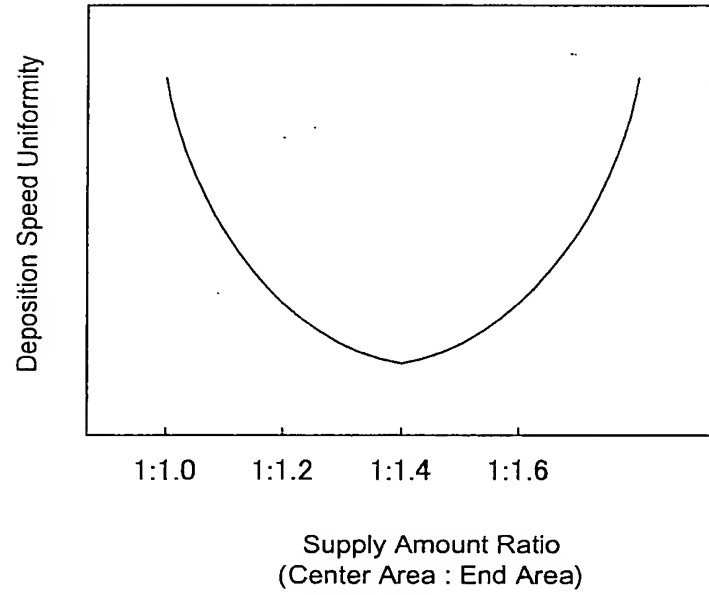


**FIG. 7** Diagram As Seen From Arrow D

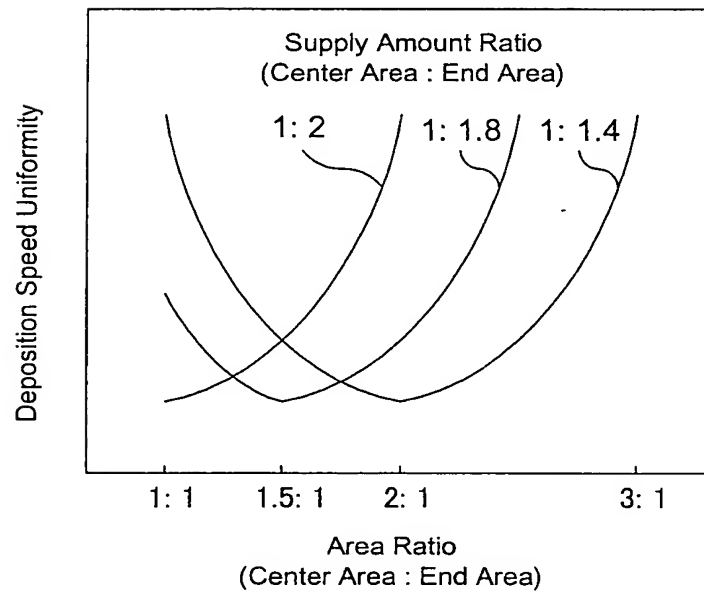


**FIG. 8** Diagram As Seen From Arrow E

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**FIG.9**



**FIG.10**



	Substitutable Gases
SiH <sub>4</sub>	TEOS, Si <sub>2</sub> H <sub>6</sub>
SiF <sub>4</sub>	SiH <sub>2</sub> F <sub>2</sub> , Si <sub>2</sub> F <sub>6</sub>
CH <sub>4</sub>	C <sub>2</sub> H <sub>6</sub> , C <sub>3</sub> H <sub>8</sub> , C <sub>2</sub> H <sub>4</sub> , C <sub>2</sub> H <sub>2</sub>
C <sub>6</sub> F <sub>6</sub>	CF <sub>4</sub> , C <sub>2</sub> F <sub>6</sub> , C <sub>3</sub> F <sub>8</sub> , C <sub>5</sub> F <sub>8</sub>
N <sub>2</sub>	N <sub>2</sub> O, NO
O <sub>2</sub>	N <sub>2</sub> O, NO, CO, CO <sub>2</sub> , O <sub>3</sub>
(CH <sub>3</sub> ) <sub>3</sub> SiH Trimethylsilane	(CH <sub>3</sub> )SiH <sub>3</sub> , (CH <sub>3</sub> ) <sub>2</sub> SiH <sub>2</sub> , (CH <sub>3</sub> ) <sub>4</sub> Si, DMDM, TMCTS, V <sub>3</sub> D <sub>3</sub> , HMDSO, OMCATS

DMDM: Dimethyldimethoxysilane  
 TMCTS: 1,3,5,7-Tetramethylcyclotetrasiloxane  
 V<sub>3</sub>D<sub>3</sub>: 1,3,5-Trimethyl-1,3,5-trivinylcyclotrisiloxane  
 HMDSO: Hexamethoxydisiloxane  
 OMCATS: Octamethylcyclotetrasiloxane

FIG.12



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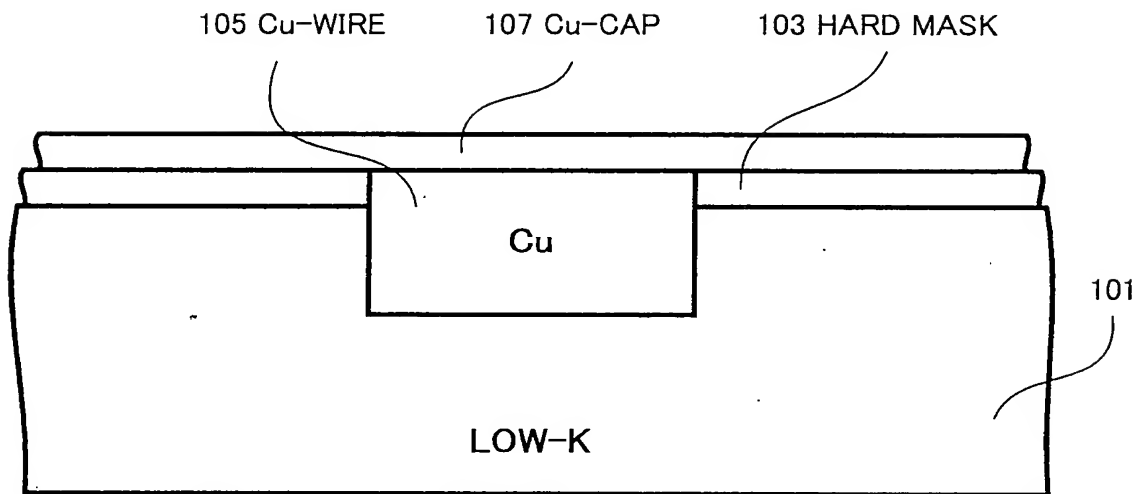


FIG.13

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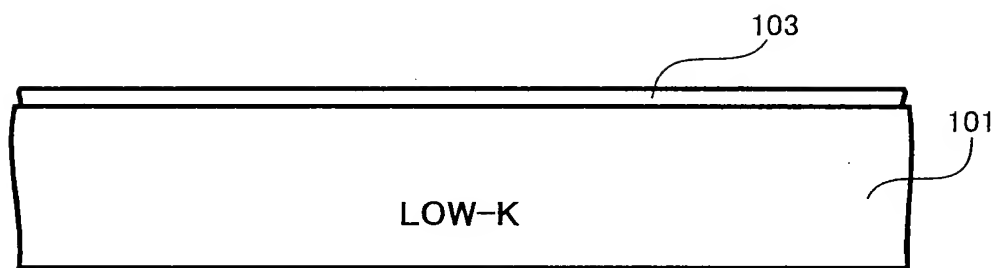


FIG.14A

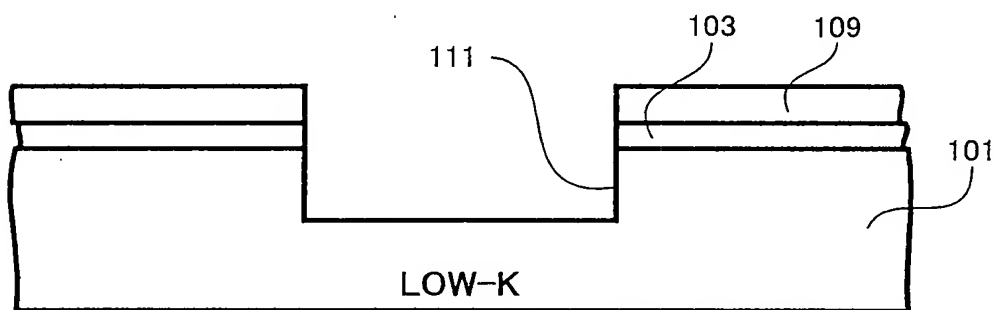


FIG.14B

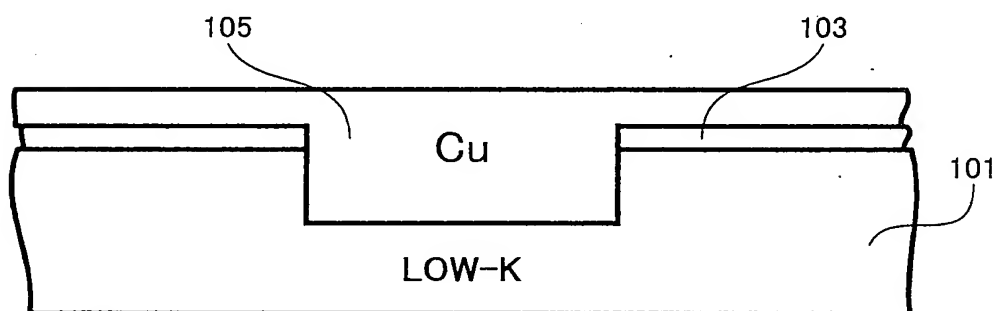


FIG.14C

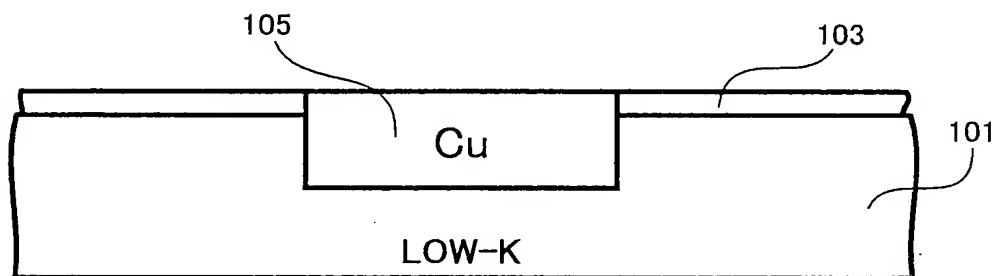


FIG.14D

He(C/E) (sccm)	HN3(C/E) (sccm)	O2(C/E) (sccm)	T/B (w)	Pressure (Torr)	Temperature (°C)	Time (minute)	Thickness (Angstrom)	Unification (1sgma%)
300/300	40/40	--/--	700/0	2.9	350	1.0	500	2.5
150/150	--/--	--/--	400/0	4.5	350	1.5	500	2.1
150/150	--/--	7.5/7.5	400/0	4.5	350	9.0	5000	4.0

FIG.15

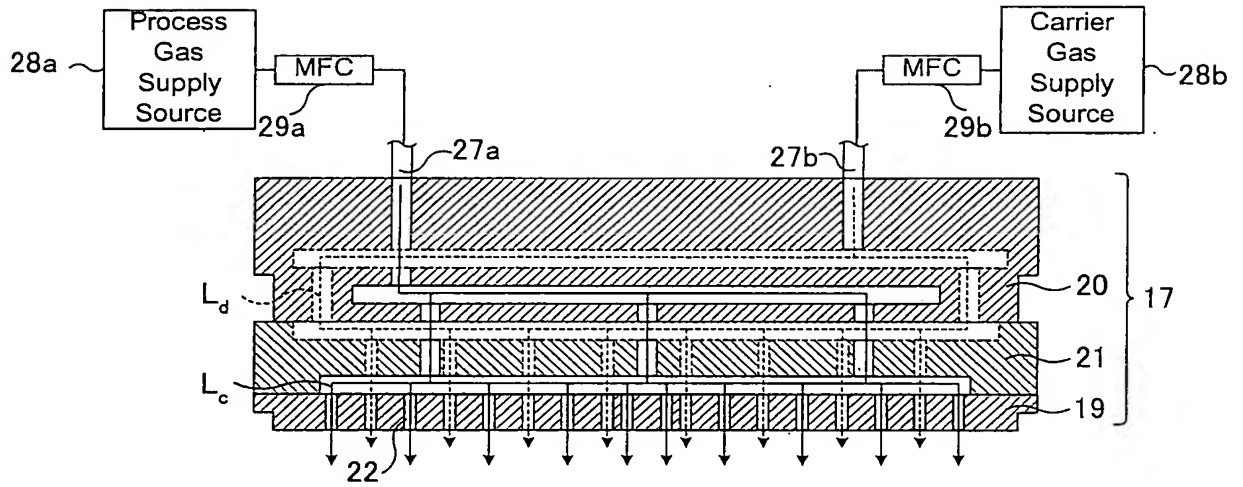


FIG. 16

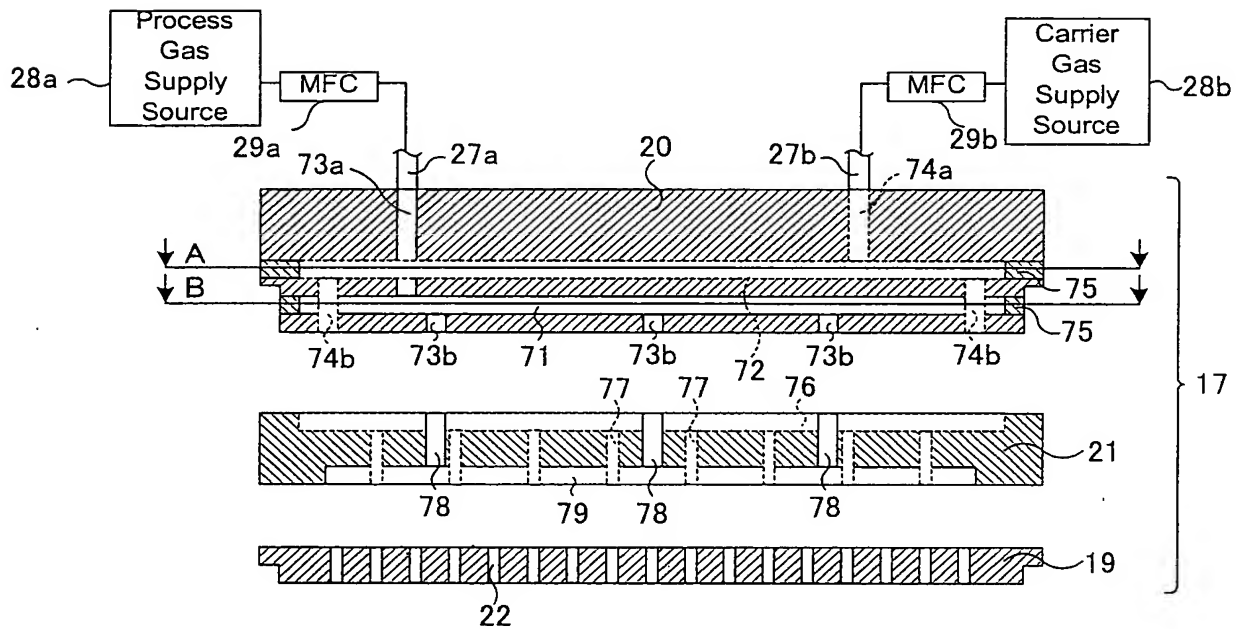
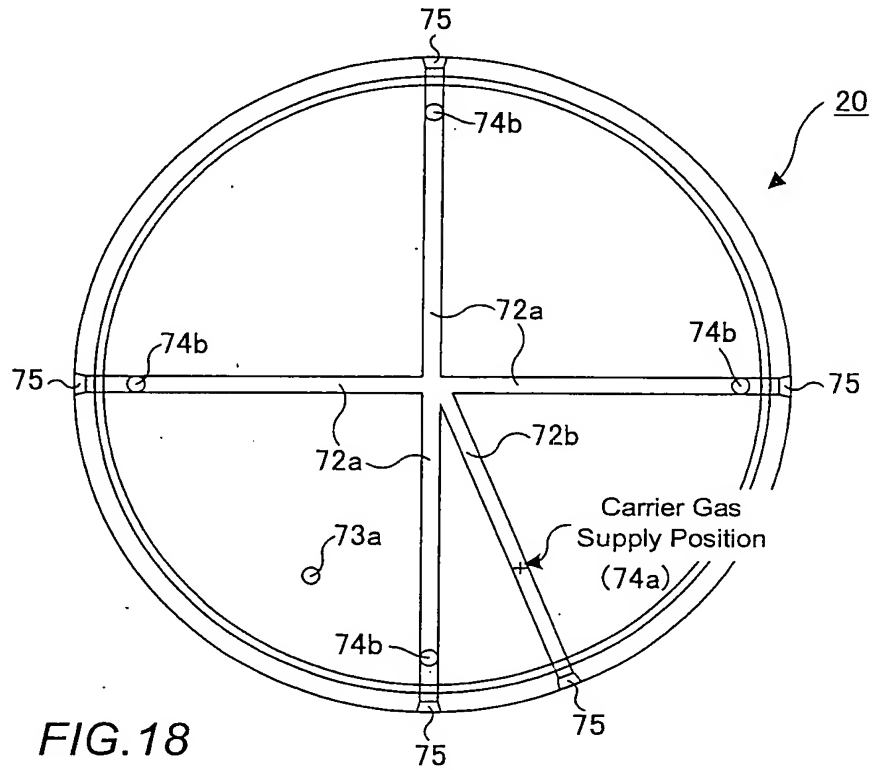
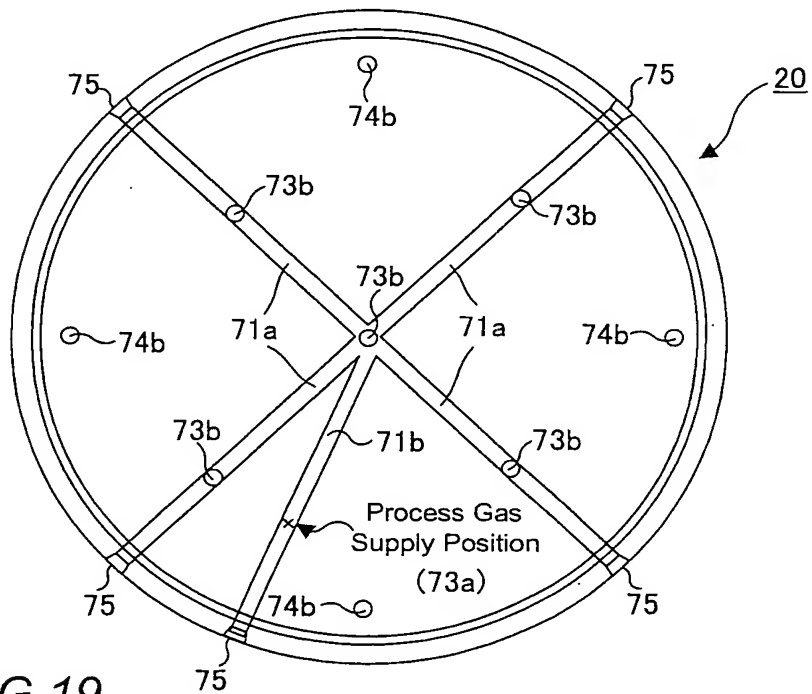


FIG. 17



Cross-Section As Seen From Arrow A



Cross-Section As Seen From Arrow B